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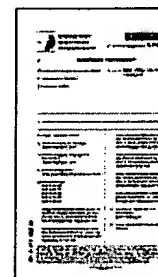
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- Title: **EP0417552B1: Method for stabilizing semi-finished or finished polymeric articles** [\[German\]](#) [\[French\]](#)
- Country: **EP** European Patent Office (EPO)
- Kind: **B1** Patent (See also: [EP0417552A2](#), [EP0417552A3](#))
- Inventor: None
- Assignee: **REHAU AG + Co**  
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- Published / Filed: **1994-10-26 / 1990-08-30**
- Application Number: **EP1990000116601**
- IPC Code: **B29C 71/04**; [C08J 7/00](#); [B29K 23/00](#);
- ECLA Code: **B29C71/04**; [C08L9/00](#);
- Priority Number: 1989-09-14 [DE1989003930753](#)
- Abstract: [\[From equivalent EP0417552A2\]](#)  
 The invention relates to a method for stabilising prefabricated semifinished products or finished articles consisting of an unsaturated polymer or of a polymer alloy which contains at least one unsaturated polymer. The semifinished products or finished articles are exposed to high-energy radiation for crosslinking and/or sterilisation. According to the invention, the unsaturated polymer is a 1,2-polybutadiene. The semifinished products or finished articles prefabricated therefrom or therewith are exposed to a maximum dose of 80 kGy.
- INPADOC [Show legal status actions](#)      Get Now: [Family Legal Status Report](#)
- Legal Status:
- Designated Country: **AT BE CH DE DK ES FR GB GR IT LI LU NL SE**
- Family: [Show 8 known family members](#)
- Claims: [\[Hide claims\]](#):
  1. Application of high-energy radiation to crosslink prefabricated semi-finished products or finished articles made from an unsaturated polymer or polymer alloy containing at least one unsaturated polymer whereby the unsaturated polymer is a 1,2-polybutadiene and whereby the semi-finished products or finished articles, having a crystallinity of 15% to 29%, are exposed to a maximum radiation dose of 80 kGy for the manufacture of profiles and moulded objects for the medical and foodstuff sectors.
  2. Application as described in [claim 1](#), characterised by the fact



that irradiation takes place after the thermoforming process.

3. Application as described in [claim 1](#), characterised by the fact that the radiation dose lies between 20 and 60 kGy and is governed by the degree of crystallinity of the 1,2-polybutadiene.

[\[German\]](#) [\[French\]](#)

Other Abstract Info: CHEMABS 114(24)230263Q DERABS C1991-081843



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